

PATENT SPECIFICATION

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(54) EXPLOSION SUPPRESSION MEANS

(71) I, FRANK RAYMOND PEGG, a British Subject of Taurus House, Kingfield Road, Coventry, Warwickshire, do hereby declare the invention for which I pray that a patent may be granted to me and the method by which it is to be performed to be particularly described in and by the following statement:—

The object of this invention is to provide a simple and effective means for suppressing or minimising the effects of an explosion, e.g. due to a small bomb or grenade. Practical advantages of the invention will be apparent from the following disclosure.

According to this invention means for suppressing an explosion is characterised by a flexible blanket which in use is placed or thrown over a bomb, grenade or other similar source of probable explosion, the blanket comprising a plurality of flexible layers of woven high strength material of which the woven strands or threads of one layer are at an angle to those of a next layer.

In practice the construction and arrangement is as follows, reference being had to the accompanying drawings in which:—

FIGURE 1 is a perspective view of the blanket from above

FIGURE 2 is a perspective view illustrating the mode of use of the blanket

FIGURES 3 and 4 are a detail cross sectional view and a broken away perspective view respectively of part of the blanket to show construction.

The flexible blanket 1 is shown contained in an outer cover 2, the blanket 1 being of woven high strength material such as ballistic nylon arranged in layers or plies 10 (FIGURES 3 and 4) whereby the woven strands or threads 11 of each layer are at an angle to one another in a progressive manner e.g. through 360°. If desired the material may include or consist

of high tensile woven metal wire e.g. wire mesh to provide a strong but flexible sheet.

In the event, for example, of a bomb or grenade such as a parcel bomb 5 (FIGURE 2) being placed or thrown in a building or elsewhere, the blanket is positioned or thrown over the bomb 5 so as to suppress the effect of its explosion on detonation.

By providing the blanket 1 readily available for such an emergency and on its use in the above manner, the effects of the explosion can be considerably minimised in the interests of avoiding or reducing injury to people and damage to property.

In order to facilitate rapid handling of the blanket 1 it is shown provided with straps 3 and also corner handles 4, the straps 3 extending from a central area of the cover 2 such that, when the blanket 1 is held by the straps 3, an outer part or skirt 1a (FIGURE 2) of the blanket depends towards or against the ground so that the blanket 1 can be quickly placed over the bomb 5 especially in the event of early explosion of the latter. Thus on such an occurrence, the depending portion or skirt 1a of the blanket 1 together with the central area of the latter provides protection to persons handling the blanket as it is placed in position over the bomb.

WHAT I CLAIM IS:—

1. Means for suppressing an explosion characterised by a flexible blanket which in use is placed or thrown over a bomb, grenade or other similar source of probable explosion, the blanket comprising a plurality of flexible layers of woven high strength material of which the woven strands or threads of one layer are at an angle to those of a next layer.

2. Means for suppressing an explosion according to claim 1 wherein the angular relationship of the woven strands or

threads of successive layers is in a progressive manner.

3. Means for suppressing an explosion according to claim 1 or 2 wherein the woven high strength material consists of synthetic material e.g. nylon and/or high tensile woven wire e.g. wire mesh.

4. Means for suppressing an explosion according to any of the preceding claims wherein the flexible blanket is contained in an outer cover of flexible sheet material.

5. Means for suppressing an explosion according to any of the preceding claims wherein the flexible blanket or a cover thereof is provided with handling means such as straps or handles.

6. Means for suppressing an explosion according to claim 7 wherein at least part

of the handling means extends from a central area of the flexible blanket or cover thereof so that the blanket can be held with a depending outer part or skirt for positioning over a bomb or grenade or other source of probable explosion.

7. Means for suppressing an explosion according to claim 5 or 6 wherein the flexible blanket or cover thereof is provided with corner handles.

8. Means for suppressing an explosion substantially as herein described with reference to the accompanying drawings.

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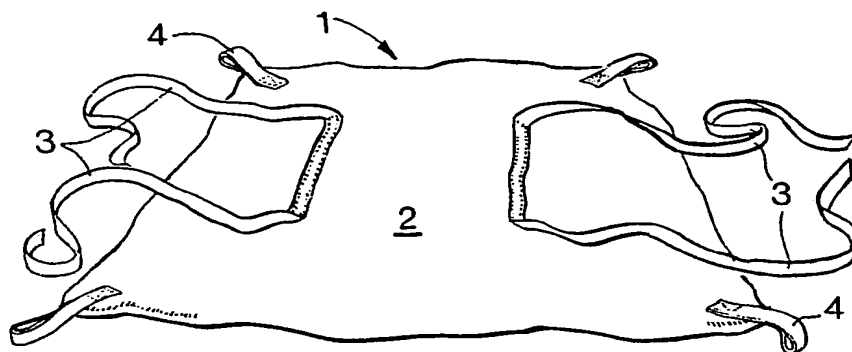


FIG. 1

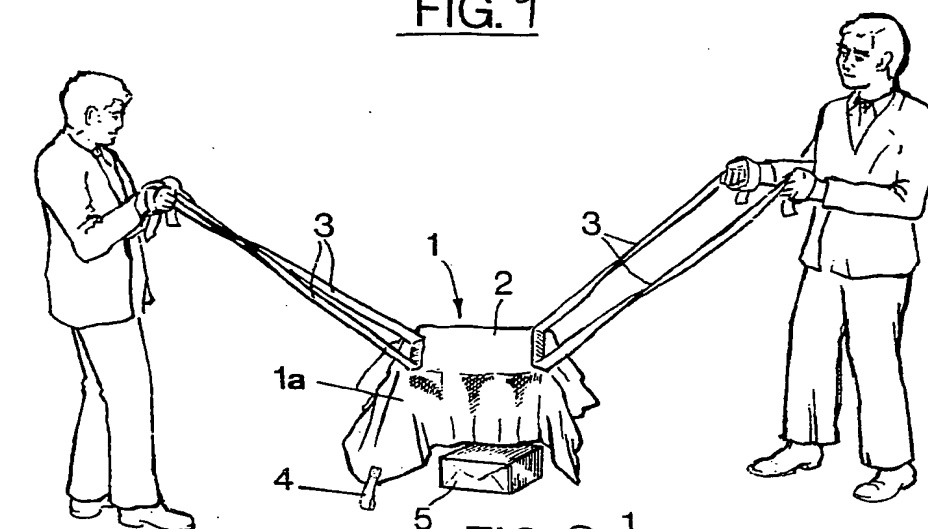


FIG. 2

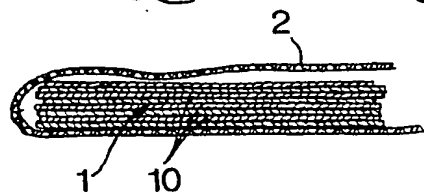


FIG. 3

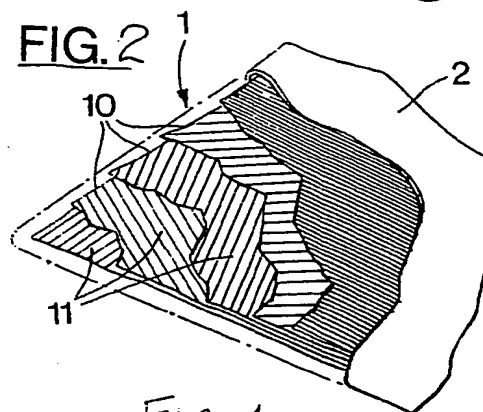


FIG. 4

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